
Envelope Segments

Functional Group=

Purpose:

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ISA	Interchange Control Header	M	1			Must use
020	GS	Functional Group Header	M	1			Must use
030	GE	Functional Group Trailer	M	1			Must use
040	IEA	Interchange Control Trailer	M	1			Must use

ISA Interchange Control Header

Pos: 010	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use	1
Description: Code to identify the type of information in the Authorization Information							
CodeList Summary (Total Codes: 7, Included: 1)							
Code Name							
00 No Authorization Information Present (No Meaningful Information in I02)							
ISA02	I02	Authorization Information	M	AN	10/10	Must use	1
Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)							
User Note 1: Fill with spaces							
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use	1
Description: Code to identify the type of information in the Security Information							
CodeList Summary (Total Codes: 2, Included: 1)							
Code Name							
00 No Security Information Present (No Meaningful Information in I04)							
ISA04	I04	Security Information	M	AN	10/10	Must use	1
Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)							
User Note 1: Fill with spaces							
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified							
CodeList Summary (Total Codes: 38, Included: 1)							
Code Name							
01 Duns (Dun & Bradstreet)							
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use	1
Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element							
User Note 1: EDI Trading Partners: DUNS Number							
<i>Hershey: 003002052T (Test)</i>							
<i>Hershey: 003002052 (Production)</i>							
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified							
CodeList Summary (Total Codes: 38, Included: 1)							
Code Name							
01 Duns (Dun & Bradstreet)							
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them					
		User Note 1: EDI Trading Partners: DUNS Number					
		Hershey: 003002052T (Test)					
		Hershey: 003002052 (Production)					
ISA09	I08	Interchange Date	M	DT	6/6	Must use	1
		Description: Date of the interchange					
		User Note 1: Format: YYMMDD					
		The date in ISA has not been changed to be Y2K compliant by DISA, the responsible standardization committee					
ISA10	I09	Interchange Time	M	TM	4/4	Must use	1
		Description: Time of the interchange					
		User Note 1: Format: HHMM					
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use	1
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer					
		CodeList Summary (Total Codes: 1, Included: 1)					
		Code	Name				
		U	U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use	1
		Description: This version number covers the interchange control segments					
		CodeList Summary (Total Codes: 14, Included: 1)					
		Code	Name				
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use	1
		Description: A control number assigned by the interchange sender					
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use	1
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)					
		CodeList Summary (Total Codes: 2, Included: 1)					
		Code	Name				
		0	No Acknowledgment Requested				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use	1
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information					
		CodeList Summary (Total Codes: 3, Included: 2)					
		Code	Name				
		P	Production Data				
		T	Test Data				
ISA16	I15	Component Element Separator	M		1/1	Must use	1
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator					

GS Functional Group Header

Pos: 020	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use	1
Description: Code identifying a group of application related transaction sets							
CodeList Summary (Total Codes: 234, Included: 4)							
Code Name							
FA Functional Acknowledgment (997)							
GF Response to a Load Tender (990)							
QM Transportation Carrier Shipment Status Message (214)							
SM Motor Carrier Load Tender (204)							
GS02	142	Application Sender's Code	M	AN	2/15	Must use	1
Description: Code identifying party sending transmission; codes agreed to by trading partners							
User Note 1: EDI Trading Partners: Phone number							
Hershey: 7175345630							
GS03	124	Application Receiver's Code	M	AN	2/15	Must use	1
Description: Code identifying party receiving transmission. Codes agreed to by trading partners							
User Note 1: EDI Trading Partners: Phone number							
Hershey: 7175345630							
GS04	373	Date	M	DT	8/8	Must use	1
Description: Date expressed as CCYYMMDD							
User Note 1: Format: CCYYMMDD							
GS05	337	Time	M	TM	4/8	Must use	1
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)							
User Note 1: Format: HHMM							
GS06	28	Group Control Number	M	N0	1/9	Must use	1
Description: Assigned number originated and maintained by the sender							
GS07	455	Responsible Agency Code	M	ID	1/2	Must use	1
Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard							
CodeList Summary (Total Codes: 2, Included: 1)							
Code Name							
X Accredited Standards Committee X12							
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use	1
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed							
CodeList Summary (Total Codes: 37, Included: 1)							

Code **Name**

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

GE Functional Group Trailer

Pos: 030	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use	1

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

GE02	28	Group Control Number	M	N0	1/9	Must use	1
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Description: Assigned number originated and maintained by the sender

User Note 1: *Must match the Group Control Number in GS06*

IEA Interchange Control Trailer

Pos: 040	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use	1
		Description: A count of the number of functional groups included in an interchange					
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use	1
		Description: A control number assigned by the interchange sender					
		User Note 1: <i>Must match the Interchange Control Number in ISA13</i>					